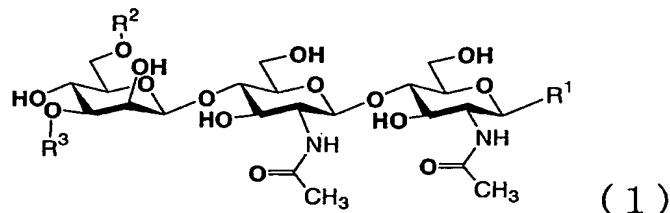


## ABSTRACT OF THE DISCLOSURE

An aminated complex-type oligosaccharide derivative, for example, of the formula (1)



5 wherein  $R^1$  is  $-\text{NH-}(\text{CO})-\text{CH}_2\text{X}$ ,  $-\text{NH-}(\text{CO})-(\text{CH}_2)_b-\text{CH}_2\text{X}$ , isocyanate group,  $-\text{NH-}(\text{CO})_a-(\text{CH}_2)_b-\text{CO}_2\text{H}$  or  $-\text{NH-}(\text{CO})_a-(\text{CH}_2)_b-\text{CHO}$ ,  $\text{X}$  being a halogen atom,  $a$  being 0 or 1,  $b$  being an integer of 1 to 4,  $R^2$  and  $R^3$  are a hydrogen atom or a group of the formulae (2) to (5) and may be the same or different, except for the case where both  $R^2$  and  $R^3$  are 10 hydrogen or the formula (5), and the case where one of  $R^2$  and  $R^3$  is a hydrogen atom, with the formula (5) serving as the other thereof.